

## ENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>7414/JB</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/US 00/ 03472</b>	International filing date (day/month/year) <b>09/02/2000</b>	(Earliest) Priority Date (day/month/year) <b>10/02/1999</b>
Applicant <b>THE PROCTER &amp; GAMBLE COMPANY et al.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

contained in the international application in written form.

filed together with the international application in computer readable form.

furnished subsequently to this Authority in written form.

furnished subsequently to this Authority in computer readable form.

the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2.  **Certain claims were found unsearchable (See Box I).**

3.  **Unity of Invention is lacking (see Box II).**

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

**LAUNDRY DETERGENT COMPOSITIONS WITH FABRIC ENHANCING COMPONENT**

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.       

as suggested by the applicant.

because the applicant failed to suggest a figure.

because this figure better characterizes the invention.

None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 00/03472A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C11D3/37 C11D3/22

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category <sup>a</sup>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 196 43 281 A (BASF AG) 23 April 1998 (1998-04-23) examples claim 9 ----	1,3-7
X	WO 98 29528 A (PROCTER & GAMBLE) 9 July 1998 (1998-07-09) page 8, paragraph 3 -page 9, paragraph 2 examples I-III claims 1,2,7-10 ----	1,2,8,11
P,X	WO 99 14299 A (PROCTER & GAMBLE) 25 March 1999 (1999-03-25) examples 1-15 claims 1-7 ----	1,3-7,11 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## ° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

5 June 2000

Date of mailing of the international search report

28/06/2000

## Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentiaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
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Authorized officer

Bertran Nadal, J

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/03472

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 99 14295 A (PROCTER & GAMBLE) 25 March 1999 (1999-03-25) examples I-V claims 1-8 -----	1, 2, 8-11
E	WO 00 22078 A (PROCTER & GAMBLE) 20 April 2000 (2000-04-20) the whole document -----	1-11

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/03472

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
DE 19643281 A	23-04-1998	WO	9817762 A	30-04-1998
		EP	0934382 A	11-08-1999
		US	6025322 A	15-02-2000
WO 9829528 A	09-07-1998	EP	0948591 A	13-10-1999
WO 9914299 A	25-03-1999	AU	9389598 A	05-04-1999
		AU	9389698 A	05-04-1999
		AU	9389798 A	05-04-1999
		AU	9389898 A	05-04-1999
		WO	9914295 A	25-03-1999
		WO	9914300 A	25-03-1999
		WO	9914301 A	25-03-1999
WO 9914295 A	25-03-1999	AU	9389598 A	05-04-1999
		AU	9389698 A	05-04-1999
		AU	9389798 A	05-04-1999
		AU	9389898 A	05-04-1999
		WO	9914299 A	25-03-1999
		WO	9914300 A	25-03-1999
		WO	9914301 A	25-03-1999
WO 0022078 A	20-04-2000	WO	0022077 A	20-04-2000
		WO	0022075 A	20-04-2000
		WO	0022079 A	20-04-2000

## PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

RECEIVED  
JUL 5 2000  
PCT International Search Report  
International Patent Office

PCT

NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL SEARCH REPORT  
OR THE DECLARATION

(PCT Rule 44.1)

To:  
THE PROCTER & GAMBLE COMPANY  
Attn. REED, T. David  
5299 Spring Grove Avenue  
CINCINNATI, OHIO 45217-1087  
UNITED STATES OF AMERICA

JB - Title Cls  
B.M. Bolam J.E. Jensen NTC  
PC: (S) atty/ ECatty/ JH/ file

No CL

Date of mailing  
(day/month/year)

28/06/2000

Applicant's or agent's file reference

7414/JB

FOR FURTHER ACTION

See paragraphs 1 and 4 below

International application No.

PCT/US 00/03472

International filing date

(day/month/year)

09/02/2000

Applicant

THE PROCTER &amp; GAMBLE COMPANY et al.

1.  The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

## Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland  
Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2.  The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3.  With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Further action(s): The applicant is reminded of the following:

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority  
European Patent Office, P.B. 5818 Patentlaan 2  
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Authorized officer

Jaap Hurenkamp

## NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

### INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

#### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

#### When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

#### Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been filed, see below.

#### How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

#### What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

## NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

1. [Where originally there were 48 claims and after amendment of some claims there are 51]:  
"Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
2. [Where originally there were 15 claims and after amendment of all claims there are 11]:  
"Claims 1 to 15 replaced by amended claims 1 to 11."
3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:  
"Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or  
"Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
4. [Where various kinds of amendments are made]:  
"Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

### "Statement under article 19(1)" (Rule 48.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

### Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

### Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference <b>7414/JB</b>	<b>FOR FURTHER ACTION</b> <small>See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)</small>	
International application No. <b>PCT/US00/03472</b>	International filing date (day/month/year) <b>09/02/2000</b>	Priority date (day/month/year) <b>10/02/1999</b>
International Patent Classification (IPC) or national classification and IPC <b>C11D3/37</b>		
Applicant <b>THE PROCTER &amp; GAMBLE COMPANY et al.</b>		
<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 8 sheets, including this cover sheet.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of sheets.</p>		
<p>3. This report contains indications relating to the following items:</p> <ul style="list-style-type: none"> <li>I <input checked="" type="checkbox"/> Basis of the report</li> <li>II. <input type="checkbox"/> Priority</li> <li>III. <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</li> <li>IV. <input type="checkbox"/> Lack of unity of invention</li> <li>V. <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</li> <li>VI. <input checked="" type="checkbox"/> Certain documents cited</li> <li>VII. <input checked="" type="checkbox"/> Certain defects in the international application</li> <li>VIII. <input checked="" type="checkbox"/> Certain observations on the international application</li> </ul>		

Date of submission of the demand <b>17/07/2000</b>	Date of completion of this report <b>26.01.2001</b>
Name and mailing address of the international preliminary examining authority:   European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer  Giese, H-H Telephone No. +49 89 2399 8488



**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/US00/03472

**I. Basis of the report**

1. This report has been drawn on the basis of (substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments (Rules 70.16 and 70.17).):

**Description, pages:**

1-35 as originally filed

**Claims, No.:**

1-11 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- the language of publication of the international application (under Rule 48.3(b)).
- the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- contained in the international application in written form.
- filed together with the international application in computer readable form.
- furnished subsequently to this Authority in written form.
- furnished subsequently to this Authority in computer readable form.
- The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- the description, pages:
- the claims, Nos.:
- the drawings, sheets:

5.  This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/US00/03472

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

**6. Additional observations, if necessary:**

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Yes: Claims
	No: Claims 1-11
Inventive step (IS)	Yes: Claims
	No: Claims 1-11 if novel
Industrial applicability (IA)	Yes: Claims 1-11
	No: Claims

**2. Citations and explanations  
see separate sheet**

**VI. Certain documents cited**

**1. Certain published documents (Rule 70.10)**

and / or

**2. Non-written disclosures (Rule 70.9)**

**see separate sheet**

**VII. Certain defects in the international application**

The following defects in the form or contents of the international application have been noted:  
**see separate sheet**

**VIII. Certain observations on the international application**

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

**see separate sheet**

**R\_It m V R asoned statem nt under Article 35(2) with r gard to nov lty, inv ntiv st p or industrial applicability; citations and explanations supporting such statement**

**1. Cited documents**

The following documents (D) are referred to in this communication:

- D1: DE-A-196 43 281
- D2: WO-A-98/29528
- D3: WO-A-99/14299
- D4: WO-A-99/14295

**2. Novelty (Article 33(2) PCT)**

2.1. Document D1 (see page 2, lines 6-33; examples; claim 9) discloses a detergent composition having 1-54 % of a detergent component and 0.05-2.5 % of a fabric enhancing component.

Document D2 (see page 2, 1st full § to page 3, 3rd full §; page 8, § 3 to page 9, § 2; examples 1-3; claims 1, 2, 7-10) relates to detergent compositions having 1-80 % of a deterutive surfactant and 0.1-8 % of a hydrophobically modified cellulose ether fabric treatment agent.

With respect to Rule 64(1) PCT the following documents are cited:

Document D3 (see examples; claims 1-7) describes a detergent composition having 1-80 % of surfactants and 0.01-5 % of a fabric enhancing component, e.g. cyclic amine based polymers.

Document D4 (see examples 1-3; claims 1-8) discloses a detergent composition comprising 1-80 % of a surfactant and 0.1-5 % of a fabric enhancing agent mixture of cellulosic based polymers.

- 2.2. The subject-matter of independent claims 1 and 11 of present application is anticipated by the disclosure in documents D1, or D2, or D3, or D4.
- 2.3. It should be stressed that for sake of examining the following interpretations of technical features of present claims 1 and 11 have been made:

It is a matter of fact that detergent compositions are sold in containers such as bottles, boxes or bags and not in amounts of "pieces" or "per gram" as usually the case for food and other goods. The description on the surface of such a container belongs to the state of the art in the field of detergents.

Moreover, the numerous properties which are supposed to originate from the detergent composition do not meet the requirements of Article 6 PCT in that the matter for which protection is sought is not defined. These features attempt to define the subject-matter in terms of the result to be achieved. Such a definition is only allowable under the conditions elaborated in the Guidelines III, 4.7 PCT. In this instance, however, such a formulation is not allowable.

Thus, these features of claims 1 and 11 concerning the container are not novel (Article 33(2) PCT).

- 2.4. Additional subject-matters of dependent claims 2-10 do not contribute a novel feature to the contents of the application (see especially documents D3 or D4). Therefore, the subject-matter of these dependent claims lack novelty (Article 33(2) PCT).

3. **Inventive Step (Article 33(3) PCT)**

The problem to be solved in present application was to "reduce or minimize the tendency of the laundered fabric/textiles to deteriorate in appearance" (page 1, lines 31-34) and appears to be solved by the disclosure in document D1 (see page 2, lines 6-33) or D2 (see page 2, full §1 to page 3, full §3): cyclic amine based polymers, hydrophobically modified cellulose ether materials, respectively. The cyclic amine based polymers prevent discolouration by dye loosening and dye transfer. The cellulose ether fabric treatment agents serve to enhance fabric

appearance and integrity upon use of the detergent composition to launder fabrics and textiles.

Therefore, present claims do not involve an inventive step (Article 33(3) PCT).

**4. Industrial Applicability (Article 33(4) PCT)**

The claimed invention appears to be industrial applicable in the fields of detergents and therefore present application meets the requirements of Article 33(4) PCT).

**Re Item VI      Certain documents cited****Certain published documents (Rule 70.10)**

Application No Patent No	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
D: WO-A-00/22078	20.04.2000	06.10.1999	13.10.1998 10.08.1999

Document D5 (see page 7, line 15 to page 10, line 25; examples; claims) encompasses a detergent composition having 1-80 % of a surfactant and 0.01-50 % of a fabric enhancing component, e.g. cyclic amine based polymers, oligomers or copolymers and hydrophobically modified cellulosic based polymers or oligomers.

**Re Item VII      Certain defects in the international application**

1. As required by Rule 5.1(a)(ii) PCT, it is appropriate to identify documents D1 to D4 and to discuss the relevant background art disclosed therein briefly (see also the Guidelines II, 4.4 PCT).
2. The application numbers and internal reference numbers cited in the description (pages 15, 18, 21) cannot be found so easily as the corresponding publication numbers.

3. As required by Rule 5.1(a)(ii) PCT prior art should not merely be disclosed in the introductory part of the description on pages 1, 2, but the document(s) should be identified in the description of the background art.
4. The statements (see pages 14, 15, 17, 18, 21) that cited documents are incorporated merely by referred thereto does not permit the extension of the present disclosure to be clearly determined (see the Guidelines II, 4.17 PCT).
5. The chemical formula of claim 2 (on top of page 37) lacks in defining the length of the the cellulosic molecule which is depicted as a dimer in conjunction with the average molecular weight of 5,000-2,000,000 as defined in claim 10 (see also the description, Article 6 PCT).

**Re Item VIII     Certain observations on the international application**

1. Present claim 1(b) and 11(b) define that 0.01-5 % of a hydrophobically modified cellulosic based polymer is present in the detergent composition. However, according to page 12, lines 1, 2, the cellulosic component ranges from 0.1 to 5 %. Present claim 1 and the cited description passages would therefore appear to be inconsistent, which would seem to detract from the clarity of the claims (Article 6 PCT).

The same applies for the laundry additive as defined in claim 11 having 1-80 % of water and 0.01-5 % of a fabric enhancing component and description page 7, lines 3-6 (0.01-80 % of cyclic amine based polymer ...) and page 8, line 32 to page 9, line 2 (0.1 % to 80 % of the additive material).

2. The "Degree of Substitution for group R<sub>H</sub>" and the "Degree of Substitution for group R<sub>C</sub>" of claim 2 need clarification under Article 6 PCT, for example by introducing the defining passage of page 13, lines 23-26, lines 27-30, respectively.

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/US00/03472

3. The reference of claims 5-10 back to preceding claims lack clarity under Article 6 PCT because
  - the moieties with their indices [(RC)c, D, N, q etc.] are not unambiguously detractable from the preceding claims, and
  - subject-matter of dependent claims defining cyclic amine based polymers try to further specify subject-matter of dependent claims defining the modified cellulosic material and vis versa.
4. The back reference of claim 3 "of claims 1-2" should be better "of claims 1 and/or 2" (Article 6 PCT).

PCT



WORLD INTELLECTUAL PROPERTY ORGANIZATION  
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 :  C11D 3/37, 3/22		A1	(11) International Publication Number: WO 00/47705
(21) International Application Number: PCT/US00/03472			
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**(54) Title: LAUNDRY DETERGENT COMPOSITIONS WITH FABRIC ENHANCING COMPONENT**

### (57) Abstract

Detergent compositions and fabric conditioning compositions which include from about 0.01 % to about 5.0 %, by weight of a fabric enhancing component selected from the group consisting of cyclic amine based polymers, oligomers or copolymers, hydrophobically modified cellulosic based polymers or oligomers, and mixtures thereof. A container for such compositions comprising fabric enhancing compositions is also provided.

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